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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/076,342	02/19/2002	Yukitoshi Kobayashi	030673-134 1387	
75	90 03/31/2003			
William C. Rowland BURNS, DOANE, SWECKER & MATHIS, L.L.P. P.O. Box 1404			EXAMINER	
			HO, HA DINH	
Alexandria, VA	22313-1404		ART UNIT	PAPER NUMBER
		3681		
			DATE MAILED: 03/31/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

<u> </u>		Application No.	Applicant(s)				
Office Action Summary		10/076,342	KOBAYASHI ET AL.				
		Examiner	Art Unit				
	·	Ha D. Ho	3681				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status 1)⊠	Responsive to communication(s) filed on 19 F	<u>-ebruary 2002</u> .					
1)⊡ 2a)□	•	is action is non-final.					
3)	Since this application is in condition for allowed	ance except for formal matters, p	rosecution as to the merits is				
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
4) Claim(s) 1-6 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-6</u> is/are rejected.							
7)	7) ☐ Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
	13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
	a)⊠ All b)□ Some * c)□ None of:						
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
2) Notice	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ry (PTO-413) Paper No(s) I Patent Application (PTO-152)				
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DETAILED ACTION

- 1. This is the first Office Action on the merits of Application No. 10/076,342 filed on 02/19/02.
- 2. Receipt is acknowledged of the Preliminary Amendment filed on 02/19/02. Claims 4-6 have been amended accordingly. Claims 1-6 are currently pending.

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 5 recites the limitation "the encoder" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Horiuchi (JP 11-014656). Horiuchi teaches an actuator comprising a housing (16, 6); a motor (4); a wave gear reduction drive including a circular rigid internal gear (9), a circular flexible external gear (10),

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and a wave generator including a rigid cam plate (12) and a bearing (13); the flexible external gear (10) including a cylinder body portion (10a), an annular diaphragm (10b), and a boss (10c); the motor (4) having a rotational shaft (7) supported in the housing via a first bearing (i.e., the bearing on the right side of the wave bearing 13); a second bearing (23); and a rotor (5) attached to the rotational shaft (7)

Regarding claim 2, an internal partition (i.e., the wall which is bolted to the flange 15) separates the housing into two spaces.

Regarding claim 3, the rigid internal gear (9) is integrally formed with a portion of the internal partition.

Regarding claim 4, the flexible external gear (10) is of a cup shape, an annular bearing holder (22) is attached to the boss (10c).

Regarding claim 5, an encoder (110) is attached to a portion of the shaft (7).

Regarding claim 6, the shaft (7) is hollow; and the boss (10c) is provided with a throughhole concentric with the hollow shaft (7).

Cited Prior Art

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Tsuchihasi et al.'830, Matsuda'203, Beyer'059, Morishita et al.'975, Kiyosawa et al.'048, Miki'774, Morimoto et al.'747, and Miki et al.'246, and Kiryu'247 which each shows a harmonic drive.

Communication

8. Submission of your response by facsimile transmission is encouraged. Group 3600's facsimile number is (703) 305-3597. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such

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submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see M.P.E.P. 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check. Responses submitted by facsimile transmission should include a Certificate of Transmission (M.P.E.P.. 512). The following is an example of the format the certification might take:

I hereby certify that this correspondence is being facsimile tra the Patent and Trademark Office (Fax No. (703) 305-3597) o	
the rate and rade man entre (ran ree (res)	(Date)
Typed or printed name of person signing this certificate:	
(Signature)	

If your response is submitted by facsimile transmission, you are hereby reminded that the original should be retained as evidence of authenticity (37 CFR 1.4 and M.P.E.P.. 502.02). Please do not separately mail the original or another copy unless required by the Patent and Trademark Office. Submission of the original response or a follow-up copy of the response after your response has been transmitted by facsimile will only cause further unnecessary delays in the processing of your application; duplicate responses where fees are charged to a deposit account may result in those fees being charged twice.

9. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Examiner Ho whose telephone number is (703) 305-0738. The examiner can normally be reached on Monday-Friday from 7:30 A.M. to 5:00 P.M. Eastern Standard Time. If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, Mr. Charles Marmor, can be reached at (703) 308-0830. Any inquiry of a general nature or relating to the status of this application or proceeding should directed to the Group receptionist whose telephone number is (703) 308-2168.

plates 3/24/03

Ha Ho Patent Examiner Art Unit 3681